

1 Abstract

2 A lighted status indicator for a contact (circuit breaker, switch or fuse) with a distinctive
3 color associated with each position of the circuit breaker. The lighted status indicator is
4 composed of a multi-color light source (usually an LED) together with an electronic
5 circuit that changes the color of that light source, depending upon the status (or position)
6 of the circuit breaker, switch, or fuse. Versions of the lighted status indicator circuit are
7 detailed that can be: (1) used with AC, or DC (positive or negative ground) power
8 supplies; (2) used in a wide supply voltage range; (3) either external to the circuit breaker
9 (or switch or fuse) or incorporated into the circuit breaker (or switch or fuse); (4) used
10 with, or without, an activated parallel circuit to a switch, circuit breaker or fuse, (double
11 pole, double throw in the case of a switch, or auxiliary switch in the case of a circuit
12 breaker); (5) used with, or without, a lower power dissipation option, and (6) used with,
13 or without, a momentary test switch incorporated into the status indicator circuit,
14 simulating a single circuit breaker, or a group of circuit breakers, being turned to a
15 "TRIPPED" position, with an associated change in the color of the LED.